APPLICATIONS BEING PREPARED

Philip Morris Incorporated
Privileged and Confidential

21 September 1981

Code 1 - Offensive/Urgent
Code 2 - Defensive/Urgent
Code 3 - Offensive/Normal
Code 4 - Defensive/Normal

689 CROSS-LINKED SMOKING MATERIAL

G. Keritsis
Tobacco Materials/Burns/Gannon

Tobacco or non-tobacco materials are treated by spraying, dipping, coating, or homogenizing certain classes of compounds capable of reacting with a substrate or of forming water-insoluble films or coatings with a substrate. Filling capacity, structure stabilization, moisture insensitivity, strength (wet and dry), and processability are improved.

Related to 641; see also 653.

Inskeep/F&N

11-80	New data received.
12-80	Split out of 641--new data to WLKT for consideration.
5-18-81	Recommend sending to F&N ASAP.
9-18-81	Disclosure to F&N for application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

835 IMPROVED FLAVOR FOR RECONSTITUTED TOBACCO

D. Keel
Flavor Development/Daylor/Meyer

In the manufacture of reconstituted tobacco by the paper-made process, in which the solubles are concentrated and returned to the sheet, it was found that the addition of ammonia to the solubles either with or without heat and/or with or without other additives before recombination with the sheet resulted in an improved flavor of the product making it more tobacco-like.

INACTIVE Palmer
CODE 2

5-17-77	Disclosure recieved.
11-7-77	Search requested.
11-22-77	Search completed.
7-17-79	Art sent to inventor—examples requested.
8-23-79	Asked inventor to organize presently available data and examples for evaluation.
11-10-79	Discussed with inventor and requested experimental and smoking data.
12-7-79	Inactivated.
2-12-80	Reactivated—Following meeting with inventor a memo was sent requesting specific subjective evaluations.
6-13-80	PM 834 combined herewith; new data submitted by inventor; application being prepared.
8-15-80	First draft started.
9-81	Inactivated; SAH says Meyer et al. say drop.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

854 TORUS INJECTION ZONE SEPARATOR

R. Thatcher, H. Odom, R. Edwards
Engineering/Tew/Kay/Pasquine

A tobacco mixture containing lighter and heavier fractions is fed into one side of a housing while an airstream flow is introduced at the other side of the housing and in an upwardly directed flow course so as to cause it to entrain the lighter fraction of the mixture therein, with the heavier fraction falling to the bottom of the housing. A suction lift is maintained at the top of the housing to increase the velocity of the lighter fraction containing air flow outwardly from the housing. The lighter fraction containing air flow is then delivered to a tangential separator unit to recover the lighter fraction. The lighter fraction can, for example, by the laminae material from which cigarette tobacco filler is made.

Sarofeen

3-78	Disclosure received (disclosure received in March but not logged in until October because it was misplaced by Mr. Sarofeen.
11-3-78	Partial disclosure made to WLKT--still in development.
5-15-79	Copy of disclosure sent to inventors for revision.
8-9-79	Disclosure sent to WLKT for application preparation.
9-24-79	PM 841 combined herewith.
11-20-79	Final draft now in preparation.
11-29-79	Working draft of combined 841/854 received.
12-1-79	Draft sent to inventors for review.
1-24-80	Brandt is revising draft per discussions.
9-4-80	Redraft expected soon.
1-15-81	Redraft expected soon.
5-18-81	Recommend sending to F&N ASAP.
6-30-81	Drawings ordered.
8-21-81	Needs more input from inventors.
9-10-81	Inventors comments on WLKT draft received.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

933 SPIRAL-WOUND PACKED BED BIOCATALYTIC REACTOR

H. Bravo
Biomaterials/Whidby/Farone/Lowitz

The invention involves a spiral-wound packed bed reactor consisting of a tube containing a flexible foam which may be smooth or contain indentions. On this foam are adhered segmented packets of encapsulated microorganisms which perform specific bio-chemical reactions. The encapsulated cells are segmented to facilitate and control flow rates and prevent compaction.

Palmer/F&N--Haley
CODE I

11-2-79	Disclosure received - inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
2-11-80	Inventor to organize data for disclosure.
3-19-80	Met with T. Gillis of WLKT to discuss disclosure and state of the art.
7-22-80	Memo to inventor with copy of pertinent paper for review of data and other prior art papers; memo to B. Sartor requesting state-of-the-art search on biocatalytic reactors.
8-1-80	Search results received from TPI are being assessed. Several patents, numerous papers and thesis appear to be of interest and will be ordered.
1-81	Gillis indicated that she will have some comments regarding all the cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N on May 26.
6-29-81	Recommend sending to F&N for application preparation.
9-81	To F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

935 MATERIALS AND METHOD FOR THE MANUFACTURE OF PELLETS (PI)

H. Bravo
Biomaterials/Whidby/Farone/Lowitz

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets, the cell or enzyme solution is reacted with celite 545 (filter aid), glutaraldehyde, and polyethyleneimine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Related to 936 and 937.

Palmer/F&N--Haley
CODE 2

11-5-79	Disclosure received - inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested of TPI and Gillis; review papers sent to inventor for review.
3-19-80	Meeting with T. Gillis of WLKT to discuss invention and state of the art.
3-21-80	Questions on process to inventor.
3-80	Search efforts continue; TPI preliminary search completed.
6-30-80	Papers received. Will attempt to organize and prepare research report in July.
7-24-80	Search results sent to inventor and T. Gillis; have requested that Gillis determine patentability and whether to proceed with application.
8-25-80	Discussed with Gillis during her visit. Need to meet with inventor again to discuss search results.
10-20-80	Celite information to Gillis.
1-81	Gillis indicated that she will have some comments regarding all the cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N on May 26.
6-29-81	Recommend sending to F&N for application preparation.
9-81	To F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

936 MATERIALS AND METHOD FOR THE MANUFACTURE OF PELLETS (PI)

H. Bravo
Biomaterials/Whidby/Farone/Lowitz

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets, the cell or enzyme solution is reacted with celite 545 (filter aid), POLY(acrylamide acrylic acid) saturated in ethanol, and polyethylene imine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Related to 935 and 937.

Palmer/F&N--Haley
CODE 2

11-5-79	Disclosure received - inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested of TPI and Gillis; review papers sent to inventor for review.
3-19-80	Meeting with T. Gillis of WLKT to discuss invention and state of the art.
3-21-80	Questions on provess to inventor.
3-80	Search efforts continue; TPI preliminary search completed.
6-30-80	Paper received. Will attempt to organize and prepare search report in July.
7-22-80	Search results sent to inventor and T. Gillis; have asked Gillis to assess art and determine whether application should be filed.
8-25-80	Discussed with Gillis during her visit. Plan to schedule meeting with inventor to discuss search results.
10-20-80	Celite information to Gillis.
1-81	Gillis indicated that she will have some comments regarding all the cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N on May 26.
6-29-81	Recommend sending to F&N for application preparation.
9-81	To F&N.

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Φ00016436

Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

937 SAPONIFIED UNSATURATED FATTY ACIDS

H. Bravo
Biomaterials/Whidby/Farone/Lowitz

The invention is a method for producing pellets containing live microbial cells or active enzymes. To make the pellets the cell or enzyme solution is reacted with celite 545 (filter aid); saponified unsaturated fatty acids i.e. sodium oleate, linoleic acid, linoleic acid, Joy liquid soap, White Dove liquid soap, etc. and polyethyleneimine, which are added sequentially. The end product consists of highly permeable pellets in which the protein on the outer wall of the microorganism or on the enzyme has reacted with the polymeric ingredients added.

Related to 935 and 936.

Palmer/F&N--Haley
CODE 2

11-5-79	Disclosure received - inventor notified.
12-79	Assigned to Hutcheson.
1-8-80	Discussed with inventor and manager. Must investigate prior art before processing.
3-5-80	State of the art search requested of TPI and Gillis; review papers sent to inventor for review.
3-19-80	Meeting with T. Gillis of WLKT to discuss invention and state of the art.
3-21-80	Questions on provess to inventor.
3-80	Preliminary search completed by TPI; papers ordered.
6-30-80	Papers received. Will attempt to organize & prepare search report during July.
7-22-80	Search results sent to inventor and T. Gillis; she will determine patentability.
8-25-80	Discussed with Gillis. Will schedule meeting with inventor to discuss search results.
10-20-80	Celite information to Gillis.
1-81	Gillis indicated that she will have some comments regarding all the cases related to immobilization shortly.
4-81	Case placed on "hold".
5-18-81	Discussed with F&N on May 26.
6-29-81	Recommend sending to F&N for application preparation.
9-81	To F&N.

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Φ00001643?

Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

943 RAPID REORDERING WITH AN APRON DRYER

F. King, Jr. and P. Sherman
Engineering/Burnley/Kay/Pasquine

A method and apparatus for drying tobacco and expeditiously reordering it to a desired moisture content immediately following the drying cycle. A shortened path tobacco dryer comprising a conveyor belt is made with a first stage heating section and a second stage cooling section. A third stage tobacco free fall area is provided where moisture is added on the fly after the tobacco is dropped from the belt at the end of the cooling section. The tobacco is made to fall in the form of a curtain of substantially single layered leaf or sheet through an aqueous mist where moisture is readily reabsorbed to reorder the tobacco.

Schardt

12-7-79	Disclosure received--inventors notified.
1-21-80	Assigned to Sarofeen.
2-80	PM data base search completed--results to inventors for review.
6-27-80	Disclosure sent to WLKT for preparation of application.
8-5-80	Disclosure and in-house search to WLKT.
9-4-80	Discussed with Brandt; meeting set for October.
10-22-80	Request from Brandt for more information--request forwarded to Kay and inventors.
12-8-80	Additional info to Brandt.
1-15-81	Draft expected soon.
5-18-81	Sarofeen to complete WLKT draft application.
7-10-81	Reassigned to JES.
8-81	Application redrafted, claims drafted; to be put in final form.

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Φ0000016438

Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

955 LOW DELIVERY CIGARETTES

G. Keritsis and N. Rainer
Tobacco Materials/Burns/Gannon

A carbon rod would be fabricated in the same general manner described in PM 622 with the exception that the diameter of the rod would be 8mm. The rod as a segment measuring 10 to 40mm in length would be wrapped in abutment with the tobacco column, and preferably also in abutment on its opposite end with a CA filter plug. It is conceivable, however, that in some embodiments the carbon rod might be utilized without a CA filter plug. When the coal reaches the carbon rod, it burns in a manner resembling the tobacco column, but gives no TPM of its own origin, to provide a type of controlled profile cigarette.

Related to US 4219031 and PM 990.

FILED F&N/Blish

3-25-80	Disclosure received--inventor notified--sent to WLKT for application preparation noting that this case should be filed promptly while PM 622 is still pending.
9-11-80	985 combined herewith--identical disclosures.
9-17-80	985 disclosure to WLKT.
9-80	WLKT awaiting more data--equipment for making samples not in yet.
6-16-80	Formal inquiry by N.R. about status.
12-12-80	Data for examples to WLKT]
1-14-81	Rainer says file, option to refile when machine-made results ready.
3-26-81	Letter to WLKT asking them to return this case to us for application preparation.
3-27-81	Disclosure recalled from WLKT for possible combining with 990.
5-18-81	Reassigned to Blish who will coordinate this and PM 990 with F&N.
6-9-81	Disclosure to F&N for application preparation.
8-28-81	Executed.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

960 FORMULATION OF A COLA-TYPE SOFT DRINK

A. Lendvay
S.D. Applications Laboratory/Assar

Phosphoric acid in the form of dry, pourable fine granules for instant beverage mixes as an acidulant and the process for preparing the same. The free flowing acidic material of this invention dissolves quickly and completely in water which may also be flavored and carbonated.

Related to 962.

FILED Inskeep

4-8-80	Disclosure received—inventor notified.
4-80	Assigned to Inskeep.
7-14-80	Further disclosure received.
10-27-80	First draft completed—to inventor for review.
3-31-81	Illness of inventor, other delays holding up revision.
4-31-81	Inventors comments and corrections on draft received.
5-5-81	Draft rewritten by inventor—to Assar for review.
6-81	Draft approved, awaiting final revision.
9-9-81	Executed and mailed to Patent Office.

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970 LOW DELIVERY CIGARETTE

L. Stewart
Cigarette Develoment/Gauvin/Meyer

A smoking article in which a tube of noncumbustible, heat fusible material is surrounded by tobacco filler and wrapper. The tube extends from approximately 5 mm from the mouth end of the filter to within approximately 10 mm of the tobacco, end by directing essentially unfiltered, undiluted smoke to the smoker during the initial puffs gives the impression of a stronger flavored cigarette. After the first several puffs, the tube is melted shut and normal dilution occurs.

FILED Blish

5-29-80	Disclosure received—inventor notified.
6-18-80	In-house search completed.
7-24-80	Prior art discussed with inventor; additional data requested.
1-16-81	First draft begun.
5-11-81	First draft completed.
6-1-81	First draft to inventor for review.
8-28-81	Draft to management for review.
9-11-81	Executed and mailed to PTO.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

972 IMPROVEMENT OF LASER PERFORATOR

E. Cashwell
Engineering/Kay/Pasquine

A single rotatable beam chopper-reflector disc is configured to separate a focused light beam into stirred sequence linear segments, then to reflect and re-direct the segments so as to utilize the total beam, or a real time scale for doing work such as perforating paper at spaced intervals positioned at discrete points selectively spaced to suit a particular intended purpose for the perforated paper such as for use as a cigarette wrapper.

Related to 974 and 984.

Sarofeen

7-7-80	Disclosure received—inventor notified.
9-4-80	Inventor is adding to the disclosure.
9-20-80	Received additional information needed to prepare application.
1-15-81	974 and 998 combined herewith; work on first draft begun.
1-21-81	Disclosure to WLKT for application preparation.
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	Recommend sending to F&N ASAP.
8-21-81	984 to be combined herewith.

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977 RL BLENDING

J. Osmalov and F. Sherwood
Tobacco Services/Osmalov/Gannon

At the present time RL and BL are produced in sheet form and then subsequently threshed or cut into squares which are subsequently processed as part of the leaf blend. The present invention eliminates the handling of RL as a leaf component and adds it into the blend as a cut filler in the same manner as ET and ES. At the end of the sheet making process slitters and cutters would be installed to produce shreds of RL to go directly into the blend, to eliminate the subsequent redrying of the RL thus reducing the load on the Adt dryers.

Inskeep

7-21-80	Disclosure received—assigned to Inskeep.
11-10-80	Work in progress.
2-17-81	Some results; more coming but not right away.
4-9-81	Process looking good; proceed.
5-18-81	To be discussed with F&N.
8-27-81	In-house search completed.
9-1-81	First draft to inventors for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

984 METHOD FOR SUBDIVIDING A BEAM

P. Martin and E. Stultz
Physical Research/Kassman/Farone/Lowitz
Engineering/Kay/Pasquine

A means of subdividing a laser beam with no loss of power. The multiple beams simultaneously perforate the paper so that the perforations do not vary in relative position as the paper oscillates in position.

Sarofeen/F&N--Diana
CODE 2

8-25-80	Disclosure received--inventors notified
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	To be combined with 972 and sent to F&N.
9-9-81	Disclosure to F&N for application preparation.

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986 POWER METER

E. Stultz, M. Barnette, W. Smick
Engineering/Cashwell/Pasquine/Kay

Object: Power will be maintained at a given level without variation concerns due to line voltage changes, gas flow changes, and/or any fluctuations in other laser parameters including environmental conditions. Description: Use of a Power Meter output from an end mirror type to feed an electronic signal to increase or decrease laser power to a present level and thereby maintain and control laser output power. With this device a detector of holes in a web of laser perforated paper can be used to accurately control the quality and/or pressure drop of holes laser perforated into the web of paper by feeding back this signal to control the stabilized laser power.

Sarofeen/F&N--Diana

9-9-80	Disclosure received--inventors notified.
1-21-81	Disclosure to WLKT for application preparation.
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	Recommend sending to F&N ASAP.
9-9-81	Disclosure to F&N for application preparation.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

988 OPTICAL POROSITY SYSTEM

N. Nunnally and E. Grollimund
Engineering Services/Mutter/Gannon

Dual channels of collimated light are beamed through web perforations. Photo diods are exposed to the transmitted light and provide a quality photo current proportional to a value of total porosity.

Schardt

9-16-80	Disclosure received--inventor notified.
11-17-80	Compared with 929 by Blish.
1-21-81	Disclosure to WLKT for application preparation.
3-23-81	WLKT instructed not to do any further work on this case.
5-18-81	For discussion with F&N.
8-21-81	Reassigned to Schardt; meeting with inventor Nunnally, SAH, GMJS, an NAB.
9-14-81	Additional info received from inventor; application being prepared.

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990 NON-COMBUSTIBLE CARBON FILTER

N. Rainer and C. McClung
Tobacco Materials/Burns/Gannon

This invention consists of a filter made from crimped paper which is pyrolyzed by passing through a heated die. This filter removes total particulate matter more efficiently than cellulose acetate filters and does not affect the gas phase as do activated charcoal filters.

Related to 955.

Blish/F&N

9-16-80	Disclosure received--inventors notified.
10-30-80	Further information received.
1-26-81	First draft completed.
3-2-81	In-house search completed.
3-25-81	Pilot plant in 2 months to manufacture full size rod.
3-26-81	Reassigned to Inskeep for possible combining with PM 955.
5-4-81	Reassigned to Blish.
6-9-81	Disclosure to F&N for application preparation.
9-2-81	Background art to F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

999 VARIABLE DILUTION FILTER

J. Adams
Engineering/Tew/Hayward/Kay/Pasquine

Object of the invention: to have the customer be able to control the proportions of the constituents received through the filter.

Blish

10-28-80	Disclosure received--inventor notified.
12-9-80	In-house search completed.
6-29-81	Results of prior art search evaluated and sent to inventor for review.
7-7-81	Prior art reviewed with inventor.
8-1-81	Drawings ordered.
8-19-81	Draft application to inventor/management for review.

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1001 FILTER PLUG IMPRESSER

J. Wheless
Engineering/Tew/Pasquine/Kay

A system of filter plug transport drums carrying peripherally spaced ceramic inserts having headed wires arranged longitudinally for heat impressing grooves into filter plug surfaces. An advantage is gained in that drums of large diameter on several drums of small diameter arranged in series provide a preselected time dwell interval which allows sufficient time for exposing each plug to hot wires lon enough to make a proper impression in high production put-through.

Related to 1007; see also 1033, 1034, 1035 (FTR).

Sarofeen/F&N--Diana

11-13-80	Disclosure received--inventor notified.
1-21-81	Disclosure to WLKT for application preparation.
2-23-81	WLKT instructed not to do any further work on this case.
5-18-81	For discussion with F&N re Barclay situation.
6-24-81	Needs to be coordinated with other Barclay-type cases.
8-5-81	Memo from J. Kay saying fluted-filter production will start the week of August 24.
8-13-81	Memo from AIP to GMJS: have F&N get started on this right away. To file in UK only, initially.
8-21-81	Draft prepared by F&N and sent to Reddie & Grose for filing in UK.
9-10-81	To be filed in U.S. first, final draft being prepared.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

1007 MANUFACTURE OF FLUTED PLUGS

A. Gillespie, K. Stover, and W. Sanderson
Engineering/Tew/Kay/Pasquine

The invention is the addition of a system of rollers to a filter making machine to deform an otherwise round plug into a desired shape.

Related to 1001; see also 1033, 1034, 1035 (FTR).

Sarofeen

12-10-80	Disclosure received--inventors notified.
1-21-81	Disclosure to WLKT for application preparation.
3-23-91	WLKT instructed not to do any further work on this case.
5-18-81	For discussion with F&N re Barclay situation.
6-24-81	Needs to be coordinated with other Barclay-type cases.
8-21-81	To proceed in view of decision to file PM 1001 in U.S.

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1008 CIGARETTE DETECTION AND REJECTION DEVICE

R. Ripley and R. Knight
Engineering/Tew/Hayward/Kay/Pasquine

The device has tappets able to slide axially against a spring biasing to bias the end of the cigarette and being adapted to trigger a control pulse if a cigarette is missing or faulty.

Blish

12-18-80	Disclosure received--inventors notified.
3-4-81	Inventors interviewed; in-house search requested.
4-29-81	Search results to inventor for review.
8-5-81	First draft completed--to inventors for review.
8-19-81	Inventors comments on draft received; draft to management for review.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

1012 DENITRATION OF TOBACCO EXTRACT LIQUOR OR SOLID TOBACCO MATERIAL

B. Semp and D. Teng
Biomaterials/Whidby/Farone/Lowitz

A process for denitration of either tobacco extract liquor or solid tobacco materials has been developed which removes nitrate using bacteria which are naturally present on tobacco. The specific bacteria desired are selected from the total mixture of those present by heating the substrate to 55°C and allowing the desired strains to first grow and then denitrify, the high temperature suppressing undesirable micro-organisms. An increase in pH of the substrate to around 7 is desirable and can be facilitated if desired. The movement of the substrate is controlled to minimize unwanted side reactions.

Related to PM 1045, 1047, 1053

Inskeep/F&N--Haley
CODE 2

1-26-81	Disclosure received--inventors notified.
4-13-81	Inventor Semp has indicated that experimental data generated at Park 500 is now available--preparation of the application may now proceed.
6-29-81	Experimental work in progress at Lancaster leaf.
9-10-81	Copy of disclosure to Haley by SAH.

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1018 A MECHANICAL TOBACCO PROCESSOR

I. Uydess
Biomaterials/Whidby/Farone/Lowitz

A mechanized tobacco processor for the preconditioning, infiltration, heating and/or "expansion" of tobacco under constant temperature, RH, etc. within a closed circular "tower" similar in configuration to a "cyclotron."

Inskeep/F&N
CODE 1

2-19-81	Disclosure received--inventor notified.
2-25-81	Disclosure to WLKT for application preparation.
5-18-81	Recommend sending to F&N ASAP.
9-11-81	Inventor leaving company; he discussed with F&N. They will proceed.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

1030 ACETYL-PYRAZINE FLAVORANTS

D. Williams, Y. Houminer, and R. Southwick
Chemical Research/Sanders/Osdene

This invention relates to a novel process for preparing heretofore unknown ketones having desirable odor and flavor properties.

Inskeep/D&O

3-13-81	Disclosure received--inventors notified.
3-27-81	Disclosure typed and sent to inventors and manager for review.
4-9-81	Corrections made and disclosure and search results sent to Depaoli for application preparation.
6-9-81	Additional information to Depaoli.
6-18-81	Application is being prepared based on pyrazine synthesis only; CIP possible at later date.
7-24-81	Draft received; 7-29 to inventors for review.
8-6-81	Commentary received from D&O.
8-26-81	Corrected draft returned to D&O.
9-10-81	Revised draft received.

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1039 CONSTANT MOISTURE HEAT TREATMENT

J. Banyasz, C. Lilly, P. Martin, H. Merritt, C. Owens

Physical Research/Kassman/Farone/Lowitz

Inskeep/F&N--Shaw
CODE 2

4-28-81	Disclosure received--inventor notified.
6-10-81	R. Shaw of F&N here to interview inventors--he will prepare application.
6-30-81	Background information on pending US expansion cases to F&N.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

1040 THE USE OF SUGARS AND CONTROLLED MOISTURE PROFILES IN THE HEAT TREATMENT OF TOBACCO

J. Banyasz, C. Lilly, P. Martin, B. Semp, H. Merritt, C. Owens

Physical Research/Kassman/Farone/Lowitz

Inskeep/F&N--Shaw
CODE I

4-28-81 Disclosure received--inventor notified.
6-10-81 R. Shaw of F&N here to interview inventors--he will prepare application.
6-30-81 Background information on pending US expansion cases to F&N.

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1042 SELF-CLEANING POROSITY MONITOR GAGING HEAD

E. Grollimund
Engineering/Pasquine/Kay

Sarofeen/F&N--Diana
4-29-81 Disclosure received--inventor notified.
9-9-81 Disclosure to F&N for application preparation.

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1045 AUTOGENOUS FERMENTATION--PARK 500

B. Semp
Biomaterials/Whidby/Farone/Lowitz

This disclosure related to denitrification of tobacco extracts using naturally occurring thermophilic organisms discovered in feeder tanks at Park 500.

Related to PM 1012, 1045, 1053

Inskeep/F&N--Haley
CODE I

5-13-81 Disclosure received--inventor notified.
5-27-81 Inventor met with Haley of F&N--additional data requested from inventor. F&N will prepare application.
6-19-81 Additional background information to F&N.
9-10-81 Haley discussed with inventors and managers. Redraft due by 9-21.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000

1047 PROCESS FOR DENITRIFICATION OF TOBACCO EXTRACTS AND MICROORGANISMS USED THEREIN

V. Malik
Biomaterials/Whidby/Farone/Lowitz

This disclosure relates to improvements and more recent work related to denitrification of tobacco extracts using purified cultures of thermophilis isolated at Park 500. Characterization of microorganisms may result in additional coverage.

Related to 1012, 1045, 1053

Inskeep/F&N--Haley
CODE I

5-27-81	Inventor met with Haley of F&N--additional data requested from inventor. F&N will prepare application.
6-19-81	Additional background information to F&N.
8-10-81	Copy of Malik's memo to J. Whidby of 7-28 to Haley.

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1053 METHOD FOR DENITRIFICATION OF TOBACCO EXTRACTS

H. Bravo
Biomaterials/Whidby/Farone/Lowitz

Tobacco extracts are denitrified by naturally occurring thermophilic organisms in continuous and/or fed-batch mode.

Related to 1012, 1045, 1047

Inskeep/F&N--Haley
CODE I

5-27-81	Inventor met with Haley of F&N; disclosure and experimental data requested.
6-29-81	Disclosure received--inventor notified.

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Source: https://www.industrydocuments.ucsf.edu/docs/zbj0000

1081 PROCESS FOR INCREASING THE FILLING POWER OF TOBACCO LAMINA FILLER

F. Utsch, R. de la Burde, P. Aument, H. Merritt
Tobacco Materials/Burns/Gannon

FILED Palmer/F&N/Shaw

6-10-81	R. Shaw of F&N here to interview inventors--he will prepare application.
6-17-81	Additional info and refs to F&N; draft application being sent.
6-24-81	First draft received--to inventors for review. Additional background info to F&N.
6-29-81	Redraft received--to inventors for review.
7-28-81	Redraft received.
8-12-81	Final draft received.
8-17-81	Executed.

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Source: https://www.industrydocuments.ucsf.edu/docs/szbj0000